MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

JANUARY, 1938

J. A. BROWN, DIRECTOR

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WEATHER BUREAU

JANUARY 1938

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	64.0	65.4	64.2	64.5	15.9	10.9	12.9	13.5	12.2	12.9
2	5.4	4.5	4.0	4.6	16.1	11.6	13.4	15.5	12.9	13.9
3	1.4	0.3	0.9	0.9	16 4	12.9	14.3	15.9	14.1	14.8
4	58.8	56.1	54.4	56.4	17.2	12.8	14.2	16.4	14.5	15.0
5	3.2	4.2	4.9	4.1	23.5	12.2	19.2	19.0	14.1	17.4
6	56.4	55.2	55.6	55.7	16.7	12.0	12.7	14.9	13.2	13.6
7	6.7	6.3	5.7	6.2	15.7	13.3	13.6	15.6	14.2	14.5
8	4.3	4.6	7.3	5.4	16.7	10 6	15.8	15.5	14.3	15.2
9	60.8	61.4	63.3	61.8	15.0	9.8	13.1	14.7	11.1	13.0
10	5.4	4.5	6.3	5 4	15.4	11.7	12.3	14.3	12.3	13.0
11	68.8	68.6	70.0	69.1	16.4	11.3	14.7	16.1	13.1	14.6
12	8.1	4.7	3.8	5.5	17.1	14.1	14.4	16.5	16.1	15.7
13	1.7	58.8	58.7	59.7	18.7	9.9	15.4	18.3	14.7	16.1
14	57.6	6.4	7.3	7.1	15.3	9.8	10.1	15.0	11.6	12.2
15	8.9	8.8	6.0	7.9	14.9	9 7	12.3	14.6	12.4	13.1
16	60.4	61.0	62.0	61.1	14.7	9.7	9.8	13.1	10.8	11.2
17	59.2	54.6	54.0	55.9	15.8	8.4	14.7	13.2	12.9	13.6
18	5.2	5.9	8.9	6.7	13.3	9.4	9.7	13.1	11.3	11.4
19	9.5	8.8	8.9	9.1	15.0	11.7	11.9	12.7	13.9	12.8
20	61.6	9.3	63.7	61.5	17.2	11.9	14.5	15.1	12.6	14.1
21	65.0	63.4	63.3	63.9	18.1	13.6	14.4	16.6	14.6	15.2
22	3.5	3.4	5.1	4.0	17.4	12.6	15.8	16.8	13.8	15.5
23	5.1	3.2	3.9	4.1	17.5	12.8	14.3	17.0	14.2	15.2
24	2.8	0.8	1.1	1.6	16.9	10.8	13.7	16.4	11.4	13.8
25	57.6	57.2	58.7	57.8	15.4	9.6	15.3	12.3	11.1	12.9
26	58.6	57.4	58.1	58.0	13.3	8.2	9.9	13.9	9.8	11.2
27	9.6	62.5	65.5	62.5	12.9	9.2	9.9	12.3	10.7	11.0
28	67.8	6.5	6.5	6.9	14.9	10.0	12.3	14.6	11.5	12.8
29	5.3	2.4	1.3	3.0	15.6	12 4	13.4	15.3	9.8	12.8
30	57.9	56.4	57.3	57.2	16.8	10.6	14.5	13.6	14.1	14.1
31	60.8	61.8	63.3	62.0	16.1	11.8	14.8	14.4	13.3	14.2
	761.01	760.14	760.77	760.63	16.19	11.20	13.46	15.04	12.79	13.77

Barometer, range for month 753.2 mm.–770.0 mm.

„ 50-yr. average for month 763.360 mm.

Thermometer, range for month 8.2° C.–23.5° C.

„ 50-yr. average for month 13.67° C.

Rain, total for month 318.368 mm.

„ , 50-yr. average for month 191.01 mm

„ , total, Sept. 1st to end of month 830.721 mm.

„ 50-yr. average, Sept. 1st to end of month 576.84 mm.

JANUARY 1938
METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	9.9	9.9	9.7	9.8	90	86	92	89	2.4	126.9	6.856
2	9.9	9.3	8.7	9.3	87	71	79	79	2.9	79.0	4.953
3	7.9	9.2	7.5	8.2	65	79	62	69	9.3	79.5	
4	8.4	9.6	9.8	9.3	70	70	79	73	1.2	189.4	3.175
5	10.5	11.0	10.8	10.8	64	68	90	74	3.3	231.8	0.762
6	10.5	9.3	9.2	9.7	94	74	81	83	0.9	171.8	42.037
7	10.2	9.5	8.2	9.3	88	72	68	76	6.1	165.7	26.416
8	7.8	8.9	10.0	8.6	58	61	82	67	4.1	246.0	31.240
9	8.5	7.6	8.1	8.1	76	61	82	73	1.7	168.7	2.159
10	8.4	9.0	9.2	8.9	78	74	86	79	4.6	142.0	7.239
11	8.3	9.2	8.6	8.7	66	68	76	70	8.9	68.3	4.826
12	7.6	9.2	10.1	9.0	62	66	75	68	5.6	76.3	
13	8.6	10.9	8.5	9.3	66	68	68	67	2.7	94.5	
14	8.9	8.7	8.8	8.8	97	69	87	84	4.8	54.0	12.446
15	7.6	9.0	8.9	8.5	72	73	83	76	6.3	193.4	21.153
16	8.6	9.5	8.4	8.8	95	85	88	89	4.1	93.4	10.160
17	8.7	10.2	10.6	9.8	70	90	96	85	2.1	168.7	25.400
18	8.7	8.5	7.8	8.3	96	76	79	84	2.7	40.2	21.336
19	8.1	10.3	11.2	9.9	79	94	93	89	0.0	235.5	16.510
20	10.0	9.4	8.9	9.4	81	74	82	79	5.6	163.7	8.890
21	9.7	9.9	10.0	9.9	79	71	80	77	2.3	95.6	
22	11.0	10.3	9.7	10.3	83	72	83	79	4.6	129.4	
23	10.5	10.4	10.6	10.5	86	72	88	82	3.5		5.156
24	9.3	10.5	9.2	9.7	79	75	91	82	6.0		7.366
25	8.7	9.8	8.0	8.8	68	92	82	81	1.0	125.6	9.906
26	8.6	10.9	8.8	9.4	94	92	95	94	6.2		35.712
27	8.5	8.0	7.9	8.1	93	75	82	83	3.3		19.050
28	6.6	10.9	7.1	8.2	61	87	70	73	10.0		
29	8.1	7.3	6.2	7.0	70	60	68	66	8.0		
30	6.9	8.7	8.0	7.9	56	74	67	66	9.0		3.556
31	8.5	9.6	8.6	8.9	67	78	75	73	5.5		11.557
	8.82	9.49	8.94	9.07	77.1	75.1	80.9	77.7	3.96	Note	10.286

Height of Barometer above sea level: 33.7 meters.
„ „ Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50-year averages are for period, 1875-1924

Note :—Anemometer being repaired

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METEOROLOGICAL REGISTER

	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10ni	7cu	9nicu	8.7	1s	2s	1s	rough	
2	7cu	9cu	0	5.3	1s	1s	1se	mod.	
3	1cu	2cu	10cu	4.3	1se	1se	1se	calm	mist on sea a.m.
4	9cicu	10stcu	10ni	9.7	1se	1ne	1s	mod.	
5	10nicu	10cicu	10cu	10.0	3s	3s	2s	rough	
6	10ni	10ni	10ni	10.0	1s	2s	2s	stormy	
7	10ni	10ni	6cicu	8.7	2s	2s	2s	rough	
8	7cu	10ni	10ni	9.0	2s	3s	2s	stormy	
9	10ni	9cu	10ni	9.7	2s	2s	2s	rough	
10	4cu	9cu	9cu	7.3	2s	2s	1s	mod.	
11	4cu	4cu	1cu	3.0	1se	0	0	„	
12	0	10ci	10ci	6.7	1e	2n	0	slight	
13	10cicu	10ci	6cu	8.7	0	1s	1s	„	
14	7nicu	10cu	8cu	8.3	1s	0	1s	„	
15	8cu	5cu	10ni	7.7	0	2s	2s	mod.	gale at night hail
16	10ni	8nicu	10cu	9.3	2s	1n	1se	rough	
17	7cu	10ni	10ni	9.0	2s	3s	2s	„	
18	10ni	4cu	6cu	6.7	0	0	0	„	
19	10nicu	10ni	8nicu	9.3	2s	2s	2s	„	
20	6cu	6cu	0	4.0	2w	2nw	2n	„	
21	10stcu	10stcu	4st	8.0	1se	2ne	2e	mod.	
22	10cu	6cu	10cu	8.7	0	2s	3s	„	
23	10cu	8cu	10ni	9.3	1s	s	s	slight	
24	6cu	10nicu	10nicu	8.7	s	nw	s	mod.	
25	10ni	10ni	5cu	8.3	2s	2s	0	rough	
26	10ni	7cicu	10ni	9.0	s	s	s	mod.	
27	10ni	6cu	1cu	5.7	s	n	n	„	
28	1cu	0	0	0.3	se	se	se	calm	
29	0	0	0	0.0	n	ne	ne	slight	
30	9cu	10ni	10cu	9.7	s 24	se 23	se 23	mod.	
31	9cu	9cu	0	6.0	s 31	s 38	s 31	„	gale p.m.
				7.39	1.3	1.7	1.3		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	1	0	1	5	19	0	1	0	4	31
14:30	3	3	0	3	17	0	0	2	3	31
20:30	2	1	1	5	18	0	0	0	4	31
Totals	6	4	2	13	54	0	1	2	11	93

Number of days with rain 24, fog 0, thunderstorm 0, gales 2.

50 yr. average number of days with rain during month 15.8